

Claim Amendments

Upon entry of this Amendment, claims 68-82 are pending in this application. The status of the claims is as follows:

Claims 1-67 (canceled)

Claim 68 (new): A system including a wearable apparatus for on-site testing and diagnostic analysis of a device, the system comprising:

a computer for storing and processing data;

a data collection instrument, in communication with the computer, for collecting Property Data of the device and providing the Property Data to the computer;

a first camera, in communication with the computer, for collecting image data of the device and providing the image data to the computer;

a display, in communication with the computer, for displaying visual data from the computer;

a microphone, in communication with the computer, for providing first audio data to the computer;

a speaker, in communication with the computer, for providing second audio data from the computer to a user of the wearable apparatus;

a power source, in communication with the wearable apparatus, for providing a source of power to the wearable apparatus; and

a harness, adapted to support at least the computer, the harness being adapted to be worn on a body of the user as a part of the wearable apparatus;

wherein the computer is adapted to provide testing and diagnostic capability to the user based on information collected about the device.

Claim 69 (New): The system of claim 68, further comprising:

a remote expert location, in wireless communication with the computer, enabling real-time collaboration between the user of the wearable apparatus and a remote expert who can advise the user regarding the on-site testing or diagnostic analysis of the device.

Claim 70 (New): The system of claim 68, further comprising:

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β a remote expert location, in wireless communication with the computer, enabling real-time collaboration between the user of the wearable apparatus and a remote expert who can advise the user regarding the on-site testing or diagnostic analysis of the device;

wherein the system is enabled for an exchange of real time streaming video, allowing the remote expert to advise the user while the user is at a location of the device.

Claim 71 (New): The system of claim 68, further comprising:

a remote expert location, in wireless communication with the computer, enabling real-time collaboration between the user of the wearable apparatus and a remote expert who can advise the user regarding the on-site testing or diagnostic analysis of the device;

wherein the system is enabled for annotation of images by the remote expert or user, thereby facilitating the on-site testing or diagnostic analysis of the device.

Claim 72 (New): The system of claim 68, wherein the computer is adapted to run software enabling the computer to emulate at least one of a digital multi-meter, oscilloscope,

- 4 -

W. Vincent QUINTANA, et al.
Appl. No. 09/739,136

signal analyzer, waveform generator, function generator, counter, timer logic analyzer, waveform editor, device calibrator and data logger.

Claim 73 (New): The system of claim 68, wherein the data collection instrument includes an electrical probe.

Claim 74 (New): The system of claim 73, wherein the electrical probe includes positive and negative test leads.

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Claim 75 (New): The system of claim 68, wherein the data collection instrument includes a data collection unit, in wireless communication with the data collection instrument, for receiving the Property Data of the device from the data collection instrument and transmitting other data to the data collection instrument.

Claim 76 (New): The system of claim 68, wherein the image data includes one of real time video and a detailed snapshot.

Claim 77 (New): The system of claim 68, further comprising:
a second camera, in communication with the computer, for collecting image data of the device and providing the image data to the computer;
wherein the first camera is an inspection camera and the second camera is an infrared camera.

Claim 78 (New): The system of claim 68, wherein the computer includes a graphical user interface for use by the user.

Claim 79 (New): The system of claim 68, wherein the computer is enabled for a whiteboarding feature.

Claim 80 (New): The system of claim 68, wherein the display includes a thin film - - transistor touch sensitive display surface.

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Claim 81 (New): The system of claim 68, wherein the testing and diagnostic capability provided to the user is further based on information from a remote expert.

Claim 82 (New): An apparatus for use by a technician to facilitate at least one of testing and diagnosing the condition of a device, comprising:

a computer adapted to store and to process data and adapted to be worn on a user's body;
a data collection instrument in communication with the computer for obtaining Property Data describing at least one property of the device;

a first camera in communication with the computer and adapted to obtain first imagery relevant to the device;

a second camera in communication with the computer and adapted to obtain second imagery relevant to the device;

a microphone in communication with the computer;

a speaker in communication with the computer;

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NO. 540 P. 9

- 6 -

W. Vincent QUINTANA, et al.
Appl. No. 09/739,136

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a display unit in communication with the computer; and

a battery adapted to provide power to at least one of the display unit and the computer.
